



MELVIN MARK COMPANIES

MELVIN MARK PROPERTIES • MELVIN MARK BROKERAGE CO. • MELVIN MARK CONSTRUCTION CO. • MELVIN MARK DEVELOPMENT CO.

February 18, 2000

Leonard Lodder
Project Architect
Arbuckle Costic Architects
363 State Street
Salem, Oregon 97301

Dear Leonard:

This correspondence is in regards to the cracking observed at the top of several columns that support the Courthouse Square transit mall. As you are aware, per Century West's memo dated February 10, Tim Terich has concluded that these cracks are the result of slab shrinkage and the downward pressure caused by the stressing of the post tensioned deck. Century West has suggested that the owner's repair these cracks either through epoxy injection or a carbon/epoxy wrap. Additionally, Tim has generally described how Pence/Kelly could potentially reduce this cracking on future pours. The owners appreciate Tim's timely response to the problem.

Marion County and SAMT continue to remain concerned about the number and size of the observed cracks. This concern is obviously heightened by fact that these cracks appear in critical column locations beneath the busmall. With the anticipated bus loading and deflection we want to make absolutely certain the structural integrity of the busmall has not been, and will not be, compromised.

At yesterday's construction meeting you indicated that you will follow up with Tim to get a detailed written description of his recommended modifications to the top of the columns in those areas that have not yet been poured. Please forward a copy to P/K as soon as possible to prevent any delays or additional costs. **MMDC** has advised, and the owners agree, that it would be prudent to employ the services of another engineering firm to verify the most likely cause of the cracking at the top of the columns. It would be to benefit of all those involved in project to confirm, with as much certainty as possible, that the cracks are purely a cosmetic issue and not a structural issue. We would ask Arbuckle to contract and pay for these services directly. If Arbuckle chooses not to obtain a second professional opinion, the owners do reserve the right to hire the engineer directly and seek remuneration.

Thank you for your attention and consideration in this matter. Please feel free to contact me with any questions or comments.

Sincerely,

Craig R. Lewis
Project Manager

CC: Billy Wasson-Marion County ✓
John Whittington-Salem Area Transit